

### **ABSTRACT OF THE DISCLOSURE**

What is disclosed is a method for presenting spreadsheets and other documents on client-side devices with limited resources and tiny display screen area. The present invention involves the user, on a client-side device, scrolling through a condensed image view of a document with the user's  
5 viewpoint of the image repeatedly computed server-side. A split-bar is stitched into a composite view of the user's current viewpoint. The user clicks a scroll-bar or scroll-points to indicate an intended change in direction of their current viewpoint. The client-side device provides the server with information as to where and how the next viewpoint is to be updated. Responsive to the received  
10 client information the server updates the viewpoint currently displayed with the transmission of images therefor and provides the same back to the client. In such a manner, the computing power and resources of the server are utilized for the image manipulation, cropping, etc. rather than that of the client's handheld device.